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1. (Eight Times Amended) A camera comprising:
a physical element that can change light
transmission factor throughout said physical element;
photoelectric conversion means for receiving an
optical image transmitted through said physical element at a
position of an imaging plane, and for converting the optical
image into an electrical image signal;
memory means for storing a plurality of correcting
information for correcting a change in an optical
characteristic of said physical element with respect to a
change of the light transmission factor throughout said
physical element; and
correction means for correcting the change in the
optical characteristic of the physical element in accordance
with the correcting information read out from said memory
means corresponding to the light transmission factor
throughout said physical element.

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9. (Eight Times Amended) A camera comprising:

a physical element that can change a light
transmission factor throughout said physical element;
photoelectric conversion means for receiving an
optical image transmitted through said physical element at a

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position of an imaging plane, for converting the optical image into an electrical image signal, and capable of adjusting at least one of a light accumulation time and a sensitivity;

memory means for storing a plurality of correcting information for correcting a change in an optical characteristic of said physical element with respect to a change of the light transmission factor throughout said physical element;

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correcting means for correcting the change in the optical characteristic of the physical element in accordance with the correcting information read out from said memory means corresponding to the light transmission factor throughout said physical element; and

exposure amount adjustment means for controlling an exposure amount by a combination of adjusting at least one of the light transmission factor and the light transmission amount of said physical element the change of whose characteristics is corrected by said correcting means, and at least one of the light accumulation time and the sensitivity of said photoelectric conversion means.